



# MATERIAL SAFETY DATA SHEET

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## HE204 - PLASTIC ROOF CEMENT

1. Product And Company Identification	
<b>Supplier</b> HENRY COMPANY 909 N. Sepulveda Blvd., Suite 650 El Segundo, CA 90245-2724  <b>Company Contact:</b> Technical Services <b>Telephone Number:</b> (800) 486-1278 <b>Web Site:</b> www.henry.com www.bakor.com	<b>Manufacturer</b> HENRY COMPANY 909 N. Sepulveda Blvd., Suite 650 El Segundo, CA 90245-2724  <b>Company Contact:</b> Technical Services <b>Telephone Number:</b> (800) 486-1278 <b>Web Site:</b> www.henry.com www.bakor.com
<b>Supplier Emergency Contacts &amp; Phone Number</b> CHEMTREC: (800) 424-9300 CHEMTREC: (703) 527-3887 CANUTEC: (613) 996-6666	<b>Manufacturer Emergency Contacts &amp; Phone Number</b> CHEMTREC: (800) 424-9300 CHEMTREC: (703) 527-3887 CANUTEC: (613) 996-6666
<b>Issue Date:</b> 06/10/2010  <b>Product Name:</b> HE204 - PLASTIC ROOF CEMENT <b>Product Code:</b> HE204  <b>Product/Material Uses</b> Roof coating	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
1,2,4-trimethylbenzene	95-63-6		1 - 5
1,3,5-trimethylbenzene	108-67-8		1 - 5
aromatic petroleum distillates	64742-95-6		5 - 10
asphalt, petroleum	8052-42-4		30 - 60
attapulgite	12174-11-7		5 - 10
calcium carbonate	1317-65-3		7 - 13
cellulose fiber	9004-34-6		7 - 13
kaolin	1332-58-7		5 - 15
silica, quartz	14808-60-7		0.1 - 1
stoddard solvent	8052-41-3		10 - 30
xylene	1330-20-7		0.1 - 1
Substances in this product have been pre-registered in accordance with the REACH Regulation - (EC) No. 1907/2006. See Section 15 for additional information.			

<b>EMERGENCY OVERVIEW</b>	
<b>CAUTION! Combustible Liquid. Central nervous system depressant. Vapor may cause light-headedness, headache, nausea, loss of coordination, numbness in fingers and toes and respiratory tract irritation. Causes skin irritation.</b>	
<b>Appearance/Odor: Black paste, strong petroleum solvent odor</b>	



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<p>3. Hazards Identification</p> <p><b><u>Primary Routes(s) Of Entry</u></b> Inhalation</p> <p><b><u>Eye Hazards</u></b> May cause eye irritation (burning, tearing, redness or swelling).</p> <p><b><u>Skin Hazards</u></b> May cause skin irritation defatting to skin and contact dermatitis upon prolonged contact.</p> <p><b><u>Ingestion Hazards</u></b> May be harmful if swallowed. May cause gastric distress, vomiting and diarrhea.</p> <p><b><u>Inhalation Hazards</u></b> Exposure to vapors may cause respiratory tract irritation. Inhalation of vapors or mists may cause central nervous system depression, light-headedness, headache, nausea and loss of coordination.</p> <p><b><u>Chronic/Carcinogenicity Effects</u></b> This product or one of its ingredients present at 0.1% or more is listed as a carcinogen by NTP, IARC or OSHA. See Section 11 (Toxicological Information) for more details.</p>
<p>4. First Aid Measures</p> <p><b><u>Eye</u></b> In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.</p> <p><b><u>Skin</u></b> Remove contaminated clothing and shoes. Wash affected areas with soap and water.</p> <p><b><u>Ingestion</u></b> Get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim. Call a physician or poison control center immediately.</p> <p><b><u>Inhalation</u></b> Remove the person from the contaminated area to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately.</p>
<p>5. Fire Fighting Measures</p> <p><b>Flash Point:</b> 120 °F 48.9 °C <b>Flash Point Method:</b> Setaflash <b>Lower Explosive Limit:</b> 0.9 <b>Upper Explosive Limit:</b> 6.0</p> <p><b><u>Fire And Explosion Hazards</u></b> Thermal decomposition (burning) may release irritating, corrosive and/or toxic gases, vapors and fumes.</p> <p><b><u>Extinguishing Media</u></b> Chemical foam, carbon dioxide (CO2), water fog or dry chemical.</p> <p><b><u>Fire Fighting Instructions</u></b> Firefighters should wear self-contained breathing apparatus and full protective gear.</p>
<p>6. Accidental Release Measures</p> <p>Collect and dispose in accordance with applicable regulations.</p>



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7. Handling And Storage

**Handling And Storage Precautions**

Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Do not handle or store near heat, strong oxidants or strong acids. Use only with adequate ventilation.

8. Exposure Controls/Personal Protection

**Engineering Controls**

Use with adequate general and local exhaust ventilation. When used outdoors, stay well away from building air intakes or close and seal the intakes to prevent product from entering building.

**Eye/Face Protection**

Safety glasses with side shields or goggles recommended.

**Skin Protection**

Use with chemical-protective gloves to prevent skin contact.

**Respiratory Protection**

The level of respiratory protection needed should be based on the evaluation of chemical exposures by a health or safety professional. If required, use a NIOSH-approved air purifying respirator with organic vapor cartridge and particulate filter or supplied air respirator.

Occupational Exposure Limits for individual ingredients (if available) are listed below.

**Ingredient(s) - Exposure Limits**

1,2,4-trimethylbenzene

ACGIH TLV-TWA 25 ppm

1,3,5-trimethylbenzene

ACGIH TLV-TWA 25 ppm

aromatic petroleum distillates

OSHA PEL-TWA 500 ppm

asphalt, petroleum

OSHA PEL-TWA 5mg/m<sup>3</sup>

ACGIH TLV-TWA 0.5mg/m<sup>3</sup> (Benzene soluble aerosol)

calcium carbonate

OSHA PEL-TWA 15 mg/m<sup>3</sup> (total dust)

OSHA PEL-TWA 5 mg/m<sup>3</sup> (respirable dust)

cellulose fiber

ACGIH TLV-TWA 10 mg/m<sup>3</sup>

kaolin

ACGIH TLV 2 mg/m<sup>3</sup> respirable dust

OSHA PEL 15 mg/m<sup>3</sup> total dust

ACGIH TLV 55 mg/m<sup>3</sup> respirable dust

silica, quartz

ACGIH TLV-TWA 0.025 mg/m<sup>3</sup>

OSHA PEL-TWA 30mg/m<sup>3</sup> / (%SiO<sub>2</sub>+2) (total dust)

OSHA PEL-TWA 10 mg/m<sup>3</sup>/ (%SiO<sub>2</sub>+2) (respirable dust)

stoddard solvent

ACGIH TLV-TWA 100 ppm

OSHA PEL-TWA 500 ppm

xylene

ACGIH TLV-STEL 150 ppm

ACGIH TLV-TWA 100 ppm

OSHA PEL-TWA 100 ppm



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<p>9. Physical And Chemical Properties</p> <p><b>Appearance</b> Black paste</p> <p><b>Odor</b> Strong petroleum solvent odor</p> <p><b>Chemical Type:</b> Mixture <b>Physical State:</b> Liquid <b>Boiling Point:</b> 310-400 °F 154-204 °C <b>Specific Gravity:</b> 1.18 <b>Percent Volatiles:</b> 25 <b>Vapor Pressure:</b> 2@68°F <b>Vapor Density:</b> &gt;1 <b>pH Factor:</b> not applicable <b>Solubility:</b> insoluble in water <b>Evaporation Rate:</b> &lt;1</p>
<p>10. Stability And Reactivity</p> <p><b>Stability:</b> Stable <b>Hazardous Polymerization:</b> Not expected to occur</p> <p><b>Incompatible Materials</b> Avoid contact with strong oxidizing agents and acids.</p> <p><b>Hazardous Decomposition Products</b> Decomposition is not likely to occur if handled and stored properly.</p>
<p>11. Toxicological Information</p> <p><b>Chronic/Carcinogenicity</b> IARC has concluded that the following chemicals in this product are carcinogenic to humans (Group 1): silica, quartz IARC has concluded that the following chemicals in this product are possibly carcinogenic to humans (Group 2B): titanium dioxide ACGIH has designated the following chemicals in this product as suspected human carcinogens (A2): silica, quartz NTP has listed the following chemicals in this product as known human carcinogens: silica, quartz</p> <p>Risk of cancer depends on duration and level of exposure to this product as a dust.</p> <p><b>Miscellaneous Toxicological Information</b> Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.</p> <p><b>Ingredient(s) - Toxicological Data</b> 1,2,4-trimethylbenzene LD50 (oral, rat): 5000 mg/kg LC50 (rat): 18 g/m3 (4-hour exposure) 1,3,5-trimethylbenzene Lethal dose (oral, rat): 23 g/kg lethal to 7 of 10 test animals LC50 (rat): 24 g/m3 (4-hour exposure) aromatic petroleum distillates LD50 (oral, rat): 2900 mg/kg LD50 (oral, rat): 8400 mg/kg calcium carbonate oral-rat LD50: 6450 mg/kg</p>

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11. Toxicological Information - Continued

**Ingredient(s) - Toxicological Data - Continued**

cellulose fiber  
 LD50 (oral, rat): >2000 mg/kg  
 LC50 (rat): >5800 mg/m3 (4-hour exposure)  
 silica, quartz  
 iv-rat LD50: 500 mg/kg bw/Quartz (10-200 um)  
 stoddard solvent  
 oral-rat LD50: >5000 mg/kg  
 dermal-rabbit LD50: >3000 mg/kg  
 inhal-rat LC50: >5500 mg/m3 (880 ppm)  
 inhal-rat LC50: >1300 ppm  
 xylene  
 LD50 (oral, rat): 5400 mg/kg  
 LD50 (dermal, rabbit): 12180 mg/kg  
 LC50 (rat): 6350 ppm (4-hour exposure)

12. Ecological Information

None identified.

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Ground or Water Domestic Voyage

Not restricted if shipped in containers <450L (119 gallons)  
 Restricted if shipped in containers >450L (119 gallons)

US NA1993, Combustible liquid, n.o.s., (Petroleum Distillates mixture), Combustible liquid, III

Canada UN1999, Tars liquid, 3, III

Unless departs >flash point:

Both UN3256, Elevated Temperature liquid, flammable, n.o.s., (Petroleum Distillates mixture), 3, III

IMDG IMDG Code 2.3.2.5 - exempted from marking, labeling & testing of packages

IATA UN1999, Tars liquid, 3, III

**DOT (Pictograms)**



15. Regulatory Information

**U.S. Regulatory Information**

Asphalt may contain detectable amounts of chemicals known to the State of California to cause cancer or reproductive harm.



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15. Regulatory Information - Continued

**Ingredient(s) - U.S. Regulatory Information**

1,2,4-trimethylbenzene

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

xylene

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

**Ingredient(s) - State Regulations**

1,2,4-trimethylbenzene

New Jersey - Workplace Hazard

New Jersey - Environmental Hazard

Massachusetts - Hazardous Substance

New York City - Hazardous Substance

1,3,5-trimethylbenzene

New Jersey - Workplace Hazard

Massachusetts - Hazardous Substance

New York City - Hazardous Substance

aromatic petroleum distillates

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

asphalt, petroleum

California - Proposition 65

attapulgite

California - Proposition 65

calcium carbonate

Pennsylvania - Workplace Hazard

cellulose fiber

Pennsylvania - Workplace Hazard

kaolin

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance

silica, quartz

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

California - Proposition 65

Massachusetts - Hazardous Substance

stoddard solvent

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

Massachusetts - Hazardous Substance

New York City - Hazardous Substance

xylene

New Jersey - Workplace Hazard

New Jersey - Environmental Hazard

New Jersey - Special Hazard

Pennsylvania - Workplace Hazard

Pennsylvania - Environmental Hazard

Massachusetts - Hazardous Substance

New York City - Hazardous Substance

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15. Regulatory Information - Continued

**Canadian Regulatory Information**

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: B3 - Combustible Liquid, D2A - Very Toxic

**Ingredient(s) - Canadian Regulatory Information**

- 1,2,4-trimethylbenzene  
WHMIS - Ingredient Disclosure List
- 1,3,5-trimethylbenzene  
WHMIS - Ingredient Disclosure List
- silica, quartz  
WHMIS - Ingredient Disclosure List
- stoddard solvent  
WHMIS - Ingredient Disclosure List

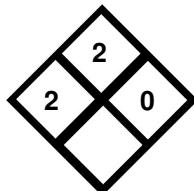
**European Union (EU) Regulatory Information**

REACH Pre-registration Information:

Substance (CAS#)	Reference Number
Asphalt (8052-42-4)	05-2114366982-36-0000
Stoddard Solvent (8052-41-3)	05-2114367025-53-0000
Calcium Carbonate (1317-65-3)	05-2114501824-55-0000
Cellulose (9004-34-6)	05-2114366989-22-0000
1,2,4-Trimethylbenzene (95-63-6)	05-2114501851-58-0000
1,3,5-Trimethylbenzene (108-67-8)	05-2114501879-40-0000
Xylene (1330-20-7)	05-2114367081-55-0000
Attapulgit (12174-11-7)	NA-Naturally Occurring Substanc

**WHMIS - Canada (Pictograms)**



NFPA	HMIS
	HEALTH <input type="text" value="2"/>
	FLAMMABILITY <input type="text" value="2"/>
	REACTIVITY <input type="text" value="0"/>
	PERSONAL PROTECTION <input type="text"/>

16. Other Information

**Revision/Preparer Information**

This MSDS Supersedes A Previous MSDS Dated: 08/22/2008

Disclaimer

**Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s).**



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Disclaimer - Continued